10. An acoustic shielding assembly comprising:
an acoustic mesh;
a support member coupled to the acoustic mesh to acoustically close a portion of the acoustic mesh,
and wherein a dimension of the support member is selected to allow the acoustic mesh to attenuate wind noise without affecting a frequency response of a microphone to which the acoustic mesh is acoustically coupled.

11. The acoustic shielding assembly of claim **10** wherein the portion of the acoustic mesh is a first portion and a second portion of the acoustic mesh surrounding the first portion is acoustically open.

12. The acoustic shielding assembly of claim **10** wherein the dimension of the support member is a radius and the acoustic mesh comprises a radius that is greater than the radius of the support member.

13. The acoustic shielding assembly of claim **10** wherein a diameter of the acoustic mesh is 1.5 cm or less.

14. The acoustic shielding assembly of claim **10** wherein the attenuation of wind noise is 10 decibels or less.

15. The acoustic shielding assembly of claim **10** wherein the acoustic mesh is coupled to an acoustic port that opens to an acoustic cavity of the microphone.

16. The acoustic shielding assembly of claim **15** wherein the support member is a post positioned within the acoustic cavity and that extends to the acoustic mesh.

17. A portable electronic device, comprising:
an enclosure having an acoustic port that acoustically couples an acoustic cavity within the enclosure to a surrounding ambient environment;
a microphone positioned within the enclosure and acoustically coupled to the acoustic cavity; and
an acoustic mesh coupled to the acoustic port, the acoustic mesh having a first portion that is acoustically closed and a second portion that is acoustically open and surrounds the first portion, and wherein the acoustic mesh attenuates wind noise from the ambient environment without affecting a frequency response of the microphone.

18. The portable electronic device of claim **17** wherein the acoustically closed first portion prevents a wind noise from the ambient environment from entering the acoustic cavity.

19. The portable electronic device of claim **17** wherein the acoustically closed first portion is at a center of the acoustic mesh.

20. The portable electronic device of claim **17** further comprising a support member extending from the acoustic cavity to the first portion of the acoustic mesh to acoustically close the first portion of the acoustic mesh, and wherein the support member comprises a radius that is smaller than a radius of the acoustic port.

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